

S/N Unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	OGAWA	Examiner:	Hon, S.
Serial No.:	Unknown	Group Art Unit:	1772
Filed:	December 5, 2001	Docket No.:	10873.255USD1
Title:	LIQUID CRYSTAL ALIGNMENT FILM AND METHOD FOR PRODUCING THE SAME, AND LIQUID CRYSTAL DISPLAY APPARATUS USING THE SAME AND METHOD FOR PRODUCING THE SAME		



**CERTIFICATE UNDER 37 CFR 1.10**

'Express Mail' mailing label number: EV 037646013 US

Date of Deposit: December 5, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner of Patents and Trademarks, P.O. Box 2327, Arlington, VA 22202.

By:

Chris Stordahl

**INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))**

Commissioner for Patents  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted within three months of the filing date of the above-identified application, which is not an application under 37 C.F.R. § 1.53(d). Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. § 1.98(d), a copy of each document or other information listed on the enclosed Form 1449 is not provided because it was previously cited by or submitted to the U.S. Patent and Trademark Office in parent application, U.S. Serial No. 09/029,870 filed on March 4, 1998.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD P.C.  
P.O. Box 2903  
Minneapolis, MN 55402-0903  
(612) 382-5300

Dated: December 5, 2001

By: Curtis B. Hamre  
Curtis B. Hamre  
Reg. No. 29,165  
DPM/tvm

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b>  <b>IN AN APPLICATION</b>  (Use several sheets if necessary)	Docket Number: 10873.255USD1	Application Number: Unknown
	Applicant: OGAWA	
	Filing Date: December 5, 2001	Group Art Unit: 1772



U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,543,949	Aug. 1996	Machida et al.			
	5,686,019	Nov. 1997	Nakamura			
	5,186,986	Feb. 1993	Ogawa			
	5,604,615	Feb. 1997	Iwagoe et al.			
	5,133,895	July 1992	Ogawa et al.			
	5,515,190	May 1996	Ogawa et al.			
	5,578,351	Nov. 1996	Shashidhar et al.			

  

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	02-289826 A	11/29/1990	Japan				
	04-356020 A	12/09/1992	Japan				
	07-072484 A	03/17/1995	Japan				
	5-232473	09/10/1993	Japan				

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		



EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	7-72483	March 1995	Japan				
	5-341290	Dec. 1993	Japan				
	10-39310	Feb. 1998	Japan				
	6-43463	Feb. 1994	Japan				
	8-338994	Dec. 1996	Japan				
	2-113222	April 1990	Japan				
	2-139522	May 1990	Japan				
	5-196944	Aug. 1993	Japan				
	6-75228	March 1994	Japan				
	6-242451	Sept. 1994	Japan				
	7-110487	April 1995	Japan				
	7-325304	Dec. 1995	Japan				
	8-146429	June 1996	Japan				
	9-5752	Jan. 1997	Japan				
	123 456	Feb. 2000	EPO				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	2-3015	Jan 1990	Japan				
	2-269318	Nov 1990	Japan				
	2-289826	Nov 1990	Japan				
	3-282547	Dec 1991	Japan				
	0 476 543	March 1992	EPO				
	4-190328	July 1992	Japan				
	4-353827	Dec 1992	Japan				
	4-356020	Dec 1992	Japan				
	5-232473	Sept 1993	Japan				
	5-273558	Oct 1993	Japan				
	6-34976	Feb 1994	Japan				
	6-138640	May 1994	Japan				
	6-222366	Aug 1994	Japan				
	7-72484	March 1995	Japan				
	7-114029	May 1995	Japan				
	7-281420	Oct 1995	Japan				
	0 684 500	Nov 1995	EPO				
FOREIGN PATENT DOCUMENTS							
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